01458570 NISHISAKAWICK CREEK NEAR FRENCHTOWN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°32′39″, long 75°02′47″ referenced to North American Datum of 1983, Alexandria Township, Hunterdon County, NJ, Hydrologic Unit 02040105, 1.3 mi north of Frenchtown, 2.1 mi upstream from mouth and Delaware River, and 3.1 mi southeast of Milford.

DRAINAGE AREA.--10.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1998 to current year.

GAGE.--Staff gage.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Discharge, in ft³/s
Dec 3, 2007	24.0
Feb 21, 2008	26.3
May 15, 2008	8.64
Sep 2, 2008	0.92

01458570 NISHISAKAWICK CREEK NEAR FRENCHTOWN, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Agricultural Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 11.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 1 of 3
[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft3/s (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
Dec 03...	1030	24	4.4	.079	.061	751	13.5	104	7.8	261	9.0	3.8	65
Feb 21...	1020	26	3.2	.045	.035	765	14.5	101	7.4	169	-3.0	.6	50
May 15...	1040	8.6	1.3	.056	.043	753	10.6	103	7.7	190	18.0	14.1	60
Sep 02...	1205	.92	17	.047	.035	760	9.1	98	7.7	200	27.0	18.9	72

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 3
[Remark codes: <, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Dec 03...	16.4	5.77	1.92	20.3	38	39.0	<.12	10.7	14.8	141	148	<1	.16
Feb 21...	12.6	4.46	1.40	10.9	29	16.7	<.12	11.1	14.0	99	98	<1	E.13
May 15...	15.6	5.19	1.41	10.7	45	17.6	<.12	9.9	13.4	108	123	<1	.14
Sep 02...	18.5	6.18	1.75	11.3	65	16.6	E.07	10.9	10.9	E118	119	28	E.14

01458570 NISHISAKAWICK CREEK NEAR FRENCHTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 3
[Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L as P (00666)	Phosphorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
Dec 03...	.022	2.08	<.04	2.2	--	.028	.030	.038	.1	<.04	.1	2.2	26
Feb 21...	<.010	2.27	<.04	E2.4	--	.026	.028	.033	E.1	<.04	.1	1.5	19
May 15...	.013	1.55	E.03	1.7	E1.7	.028	.030	.037	.2	<.04	.2	1.9	28
Sep 02...	.020	.57	E.03	E.71	E.73	.046	.049	.083	.3	<.04	.3	1.7	36